Contents

Number 1

C. West Churchman — 1 — Churchman's Conversations

A. Hatchuel, P. Agrell and J. P. van Gigch — 5 — Innovation as System Intervention

E. S. Wertheim — 13 — GST and the Research Process as Illustrated by a Naturalistic Study of Parental Adaptation to First Pregnancy

W. M. Jaworski, L. Ficocelli and K. S. O'Mara — 23 — The ABL/W4 Methodology for System Modelling

P. Auger — 39 — A Transformational Model of Economies from Late to Post Industrial Periods

C. Koprinkov — 47 — Modelling the Concept of Systems Analysis

Correspondence

A. N. Christakis — 53 — Systems Profile: The Club of Rome Revisited

O. Nodoushani — 59 — A Note on Progress: Postmodern Transformation in the Systems Age

Book Review

G. A. Swanson — 65 — *A General Systems Approach to Management Accounting* by W. H. Weekes

67 — *Biographical Notes on Contributors to this Issue*

I — Software Survey Section

NEGOPY, PLANET, TIDA, STRONG COMPONENT HIERARCHICAL CLUSTERING

Number 2

C. West Churchman — 69 — Churchman's Conversations

A. Aulin — 71 — Methodological Criticism

K. D. Bailey — 83 — Restoring Order: Relating Entropy to Energy and Information

M. J. Sirgy — 93 — Toward a General Systems Theory of Social Behavior: a Psychocybernetic Perspective

R. Serra and G. Zanarini — 111 — Complexity in Natural and Cultural Systems

W. Acar — 119 — Toward a Consistent Terminology for Management Theory Building

J. N. Warfield and A. N. Christakis — 127 — Dimensionality

Correspondence

C. West Churchman — 139 — Systems Profile: Discoveries in an Exploration into Systems Thinking

F. F. Robb — 147 — A Comment on 'Measurement and the Structure of Scientific Analysis' by Warren Kinston

W. Kinston — 148 Reply

151 *Biographical Notes on Contributors to this Issue*

I Software Survey Section

Number 3

C. West Churchman — 153 Churchman's Conversations

M. A. Townsend, J. E. Gibson and G. Knausenberger — 155 Industry–State–University Research Collaboration: The West German Fraunhofer Gesellschaft Model

N. C. Paritsis — 169 Man as a Hierarchical and Purposeful Intelligent System

R. L. Flood — 177 Complexity: a Definition by Construction of a Conceptual Framework

J. S. Franklin — 187 A Philosophical Inquiry into the Geometry of Knowledge

Correspondence
A. J. Bahm — 203 Systems Profile: General Systems as Philosophy

D. Hershey, V. Patel and J. Hahn — 211 Speculations on the Use of Shannon's Entropy Formula to Characterize an Organizational Structure (University of Cincinnati)

G. S. Maccia — 213 Genetic Epistemology of Intelligent Natural Systems

Book Review
M. Nowakowska — 219 *Architecture of Systems Problem Solving,* by George J. Klir

221 *Biographical Notes on Contributors to this Issue*

I Software Survey Section

Number 4

C. West Churchman — 223 Churchman's Conversations

J. N. Warfield — 227 Editorial: Thinking About Systems

K. Kijima and J. Mackness — 235 Analysis of Soft Trends in Systems Thinking

L. D. Xu — 243 Toward Escape from the Limitations of Economic Systems Analysis: Introduction of Dimensionality

K. B. De Greene — 251 Cognitive Models of International Decisionmakers and International Stability

D. Hershey and W. E. Lee III — 269 Entropy, Aging and Death

Correspondence
K. E. Boulding — 283 Systems Profile: Some Origins

W. McWhinney and D. Bushnell — 289 Education for Systems Practice

Book Reviews

A. J. Bahm — 297 *Evolution: The Grand Synthesis*, by Ervin Laszlo

C. Joslyn — 298 *The Phenomenon of Science* and *The Inertia of Fear and the Scientific Worldview*, by Valentin F. Turchin

J. S. Counelis — 300 *Images of Organizations*, by Gareth Morgan

303 *Biographical Notes on Contributors to this Issue*

I Software Survey Section

METRIC

i Contents and Author Index for Volume 4 (1987)